

Measurement and Evaluation (EDP 380P)
Spring, 2014

INSTRUCTOR: Barbara G. Dodd

OFFICES: SZB 538L, Sanchez Building

OFFICE HOURS: Monday, 1:00 to 4:00 and by appointment

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OPTIONAL TEXT: Reynolds, C. R. & Livingston, R. B. (2012). *Mastering Modern Psychological Testing*. Upper Saddle River, NJ: Pearson.

REQUIRED TEXT: A packet of selected reading available from Jenn's Copy & Binding, 2200 Guadalupe St., (512)482-0779.

COURSE REQUIREMENTS:

1. Take-home exam over unit I
2. In-class exam over unit II
3. Take-home exam over unit III
4. In-class exam over units IV

EVALUATION: Grades will be based on an average of the four requirements above, with each counting equally.

GRADES:

93% or more	A
90% to 92%	A-
87% to 89%	B+
83% to 86%	B
80% to 82%	B-
etc.	

ADA ACCOMMODATIONS:

The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.

RECOMMENDED SUPPLEMENTARY REFERENCES:

Miller, M. D., Linn, R. L., & Gronlund, N. (2009). *Measurement and assessment in teaching*. (10th ed.). Englewood Cliffs, NJ: Prentice Hall.

Thorndike, R. M. & Thorndike-Christ, T. (2009). *Measurement and evaluation in psychology and education*. (8th ed.). Upper Saddle River, NJ: Prentice Hall.

OUTLINE OF TOPICS AND OPTIONAL READING ASSIGNMENTS:

TOPICS	READINGS
I. Psychometric Principles and Procedures	
A. General principles and basic concepts	Ch. 1
B. Test administration and scoring	Ch. 1
C. Social and ethical implications of testing	Ch. 17
D. Descriptive statistics	Ch. 2, pp. 37-54
E. Scores and norms	Ch. 3
II. Psychometric Theory: Types of Reliability and Validity	
A. Correlation methods	Ch. 2, pp. 55-70
B. Reliability estimation and interpretation	Ch. 4
C. Validity estimation and interpretation	Ch. 5
III. Designing Tests	
A. Behavioral objectives	
B. Item writing	Ch. 6
C. Item analysis	Ch. 7, pp. 222-235
D. Attitude scales	Ch. 6, pp. 214-220
IV. Testing in Educational Settings	
A. Uses of tests	
B. Individual tests	Ch. 9
C. Group Tests	Ch. 8
D. Testing special populations	Ch. 16
E. Psychological issues	
F. Interest Inventories	Ch. 12, pp. 408-412

TENTATIVE SCHEDULE:

1/13 Introduction, General Principles, Test Administration
1/20 MLK holiday
1/27 Social and Ethical Implications, Descriptive Statistics
2/3 Scores and Norms, handout Exam I, Correlation
2/10 Exam I due, Regression, Reliability
2/17 Reliability, Validity
2/24 Validity, Review
3/3 Exam II, Behavioral Objectives
3/10 Spring Break
3/17 Item Writing - mc & essay, Item Analysis - mc & essay
3/24 Item Writing & Item Analysis - attitude scales
3/31 Handout Exam III, Use of Ed. Tests, Individual Tests
4/7 AERA –No class
4/14 Exam III due, Group Tests, Special Populations
4/21 Psychological Issues, Interest Inventories, CIS
4/28 Exam IV

EXAM DATES:

I 2/3 due 2/10
II 3/3
III 3/31 due 4/14
IV 4/28